

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: WilsonTan

GENERAL INFORMATION:

Name:	Logan Aluminum Inc.
Address:	P.O. Box 3000, U.S. Highway 431 North Russellville, KY 42276
Date application received:	October 15, 2002
SIC/Source description:	3353
AFS Plant ID:	21-141-00038
Application log number:	55244
Permit number:	V-03-017

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input checked="" type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input checked="" type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSION SUMMARY:

Pollutant	Construction controlled PTE (TPY)	Revised Source - Wide controlled PTE (TPY)
PM	0.0375	211.473
VOC		244.365
HCl		7.129
SO ₂	79.875	81.502
CO	9.375	62.436

Increase in source-wide Particulate Matter (PM), VOC, Hydrochloric Acid, Sulfur Dioxide and Carbon Monoxide emissions.

These construction projects did not trigger PSD because they are individual projects and were submitted at different times. Due to the timeframe for renewal, all construction projects were put with the renewal.

Emission Unit #54(4021-B) - Boiler #4 Sulfur Dioxide (SO₂) emission limitation is 39 tons per 12 month rolling average to preclude 401 KAR 51:017, Prevention of Significant Deterioration.

SOURCE PROCESS DESCRIPTION:

Logan Aluminum, Inc., an existing Title V major source, submitted a permit renewal application for its existing V-97-034 (Revision 2) permit.

Logan Aluminum is an aluminum rolling mill source located in Russellville. The plant produces rolled aluminum from scrap aluminum. Scrap aluminum is charged into two natural gas fired melt furnaces. The molten aluminum will go to holding furnaces to get purified, before it gets cast into ingots. The aluminum ingots get heated in carbottoms and pusher furnaces before they go to the rolling mills. Most of the rolled aluminum passes through a pretreatment and coating line before it gets shipped to customers.